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Nota di contenuto	Cognitive adversarial Techniques for the prevention of cyber attack -- A open source web vulnerability scanning frame work -- Dynamic Malware analysis and model Interpretability -- USB sandbox environmental Tool -- Indian Fake currency Detector using Machine learning.
Sommario/riassunto	This book gathers high-quality peer-reviewed research papers presented at the International Conference on Advancement in Cyber Security and Digital Forensics (ICACSDF 2025), organized by University of Petroleum and Energy Studies (UPES), Dehradun, India, on April 11–12, 2025. The book explores forefront of cybersecurity in today's digital landscape. From safeguarding privacy and information security to digging into cutting-edge advancements in cryptography and quantum technology, this book offers invaluable insights and practical solutions. It deals with latest developments in cyber threat intelligence, blockchain applications, and the pivotal role of AI and ML in enhancing cybersecurity measures. The scholars present their recent works on

security policies, auditing, and assurance, which give deeper understanding of risk analysis and compliance frameworks.